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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/966,421	09/27/2001	Syed F.A. Hossainy	50623.60	6381
7590 06/07/2006			EXAMINER	
Squire, Sanders & Dempsey, L.L.P.			NGUYEN, VI X	
Suite 300				
One Maritime I	One Maritime Plaza			PAPER NUMBER
San Francisco, CA 94111			3734	
Squire, Sande Suite 300 One Maritime I	rs & Dempsey, L.L.F		NGUYE ART UNIT	

DATE MAILED: 06/07/2006

Please find below and/or attached an Office communication concerning this application or proceeding.

•		Application No.	Applicant(s)		
Office Action Summary		09/966,421	HOSSAINY, SYED F.A.		
		Examiner	Art Unit		
		Victor X. Nguyen	3734		
 Period for	The MAILING DATE of this communication app Reply	ears on the cover sheet with the c	orrespondence address		
WHICH - Extensing after SI2 - If NO period of Failure Any rep	RTENED STATUTORY PERIOD FOR REPLY EVER IS LONGER, FROM THE MAILING DATE on STATE of time may be available under the provisions of 37 CFR 1.13 (6) MONTHS from the mailing date of this communication. Seriod for reply is specified above, the maximum statutory period we to reply within the set or extended period for reply will, by statute, by received by the Office later than three months after the mailing patent term adjustment. See 37 CFR 1.704(b).	TE OF THIS COMMUNICATION 6(a). In no event, however, may a reply be tim ill apply and will expire SIX (6) MONTHS from cause the application to become ABANDONEI	N. lely filed the mailing date of this communication. D (35 U.S.C. § 133).		
Status					
1)⊠ R	esponsive to communication(s) filed on 15 M	arch 2006.			
,	This action is FINAL. 2b) ☐ This action is non-final.				
3)□ S					
С	closed in accordance with the practice under Ex parte Quayle, 1935 C.D. 11, 453 O.G. 213.				
Dispositio	n of Claims				
 4) Claim(s) 1-3,5-8,10-13,29-32,45-48 and 50-72 is/are pending in the application. 4a) Of the above claim(s) is/are withdrawn from consideration. 5) Claim(s) 7-8,54-55,62-64 and 68-70 is/are allowed. 6) Claim(s) 1-3,5,6,10-13,29-32,45-48,50-53,56-61,65-67,71 and 72 is/are rejected. 7) Claim(s) is/are objected to. 8) Claim(s) are subject to restriction and/or election requirement. 					
Applicatio	n Papers				
10)□ TI A F	ne specification is objected to by the Examine he drawing(s) filed on is/are: a) acception and acception are request that any objection to the examine the lacement drawing sheet(s) including the correct he oath or declaration is objected to by the Examine.	epted or b) objected to by the lddrawing(s) be held in abeyance. See ion is required if the drawing(s) is object.	e 37 CFR 1.85(a). jected to. See 37 CFR 1.121(d).		
Priority un	der 35 U.S.C. § 119				
 12) Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f). a) All b) Some * c) None of: 1. Certified copies of the priority documents have been received. 2. Certified copies of the priority documents have been received in Application No. 3. Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)). * See the attached detailed Office action for a list of the certified copies not received. 					
2) Notice 3) Informa	of References Cited (PTO-892) of Draftsperson's Patent Drawing Review (PTO-948) ation Disclosure Statement(s) (PTO-1449 or PTO/SB/08) No(s)/Mail Date	4) Interview Summary Paper No(s)/Mail D 5) Notice of Informal F 6) Other:	r (PTO-413) ate Patent Application (PTO-152)		

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DETAILED ACTION

Claim Rejections - 35 USC § 102

1. The following is a quotation of the appropriate paragraphs of 35 U.S.C. 102 that form the basis for the rejections under this section made in this Office action:

(e) the invention was described in (1) an application for patent, published under section 122(b), by another filed in the United States before the invention by the applicant for patent or (2) a patent granted on an application for patent by another filed in the United States before the invention by the applicant for patent, except that an international application filed under the treaty defined in section 351(a) shall have the effects for purposes of this subsection of an application filed in the United States only if the international application designated the United States and was published under Article 21(2) of such treaty in the English language.

Claims 1-3,5,45,47-48,50 and 71-72 are rejected under 35 U.S.C. 102 (e) as being anticipated by Dang et al. (U.S. 6,758,859).

Dang et al show in figures 3-4, a stent (10) that releases drug into the vascular system having depots (30) on a surface of the stent body, including: a first material (see col.5, lines 5-22) carrying a therapeutic substance. A second material (col.4, lines 17-40) configured to convert a first type of energy to a second type of energy. Note that cols. 5, lines 10-14 and lines 54-66 can be interpreted broadly that radioactive isotope for stent usage can be converted from its energy conversion material which is disposed in depots (30) of the stent. At best seen in figs. 4, 5a, the stent comprises a top coat deposited over at least a portion of the first material, and where the second material is selected from the group consisting of Au (see col. 4, lines 26-29). Furthermore, the procedures in figures 4 and 6a disclose the second material can fill completely some of the depots and where the top coat includes a polymer.

Claim Rejections - 35 USC § 103

2. The following is a quotation of 35 U.S.C. 103(a) which forms the basis for all obviousness rejections set forth in this Office action:

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(a) A patent may not be obtained though the invention is not identically disclosed or described as set forth in section 102 of this title, if the differences between the subject matter sought to be patented and the prior art are such that the subject matter as a whole would have been obvious at the time the invention was made to a person having ordinary skill in the art to which said subject matter pertains. Patentability shall not be negatived by the manner in which the invention was made.

Claims 6,11-13,31-32,51,56-61 and 67 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Dang (6,758,859).

Dang discloses the invention substantially as claimed. However, Dang is silent regarding the second material comprises Au particles having a silica nano particle core or the first material is a temperature sensitive hydrogel. It would have been obvious to one having ordinary skill in the art at the time the invention was made to construct the second material comprises Au particles having a silica nano particle core or the first material is a temperature sensitive hydrogel, since it has been held to be within the general skill of a worker in the art to select a known material on the basic of its suitability for the intended use or as a matter of obvious design choice. In re Leshin, 125 USPQ 416.

Claims 29-30 and 52-53 are rejected under 35 U.S.C. 103 (a) as being unpatentable over Dang'859. Dang is silent regarding the diameter of Au particles having a silica nanoparticle from 100 to 250 nm or having a thickness of 1 to 100 nm. Nevertheless, Dang does disclose Au particles, which must be changed in the size of a component involve merely routine skill in the art. Therefore, it would have been obvious to one of ordinary skill in the art at the time the invention was made to make Dang' the diameter of Au particles having a silica nanoparticle from 100 to 250 nm or having a thickness of 1 to 100 nm. Regarding claims 10 and 46, it would have been further obvious to one having

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ordinary skill in the art at the time the invention was made to have electromagnetic waves with wave lengths between 800 and 1200 nm into thermal energy, since it has been held that where the general conditions of a claim are disclosed in the prior art, discovering the optimum or workable ranges involves only routine skill in the art. In re Aller, 105 USPQ 233.

Allowable Subject Matter

3. Claims 7-8,54-55,62-64 and 68-70 are allowed.

The following is a statement of reasons for the indication of allowable subject matter:

None of the prior art of record disclose or suggest where a third material configured to convert a third type of energy received by the third material from an energy source to a fourth type of energy, where the fourth type of energy promotes release of the therapeutic substance from the stent body, and where the first type of energy and the third type of energy are electromagnetic energy, where the electromagnetic energy of the first energy type has a different wavelength than the third energy type.

Response to Arguments

4. Applicant's arguments filed 3/15/2006 have been considered but they are not persuasive. In response to applicant's argument that the Dang reference does not disclose a first material including a therapeutic substance and a second material is not in the depots of the stent body. As claims 1 and 45 are currently written, the claims can be interpreted broadly that the Dang reference at least discloses a first material can be used with a therapeutic substance (see col. 5, lines 10-65), where second material (col.4, lines 17-53) configured to convert a first type of

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energy to a second type of energy, and where the second material is able to depot of the stent body (see col. 4, lines 44-60).

In response to applicant's argument that the Dang reference does not disclose a top coat. In fact, Dang discloses in figures 4 and 5a, the stent (10) comprises a top coat (i.e., the depots 30 would be covered by the top coat, see col. 8, lines 48-65). Accordingly, the above noted reference is still considered to read on the claimed limitations of the claims noted.

Conclusion

5. THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communications from the examiner should be directed to Victor X. Nguyen whose telephone number is (571) 272-4699. The examiner can normally be reached on M-F (8-4.30 P.M).

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Hayen Victor

If attempts to reach the examiner by telephone are unsuccessful, the examiner's supervisor, Michael Hayes can be reached on (571) 272-4697. The fax phone number for the organization where this application or proceeding is assigned is 571-273-8300.

Information regarding the status of an application may be obtained from the Patent Application Information Retrieval (PAIR) system. Status information for published applications may be obtained from either Private PAIR or Public PAIR. Status information for unpublished applications is available through Private PAIR only. For more information about the PAIR system, see http://pair-direct.uspto.gov. Should you have questions on access to the Private PAIR system, contact the Electronic Business Center (EBC) at 866-217-9197 (toll-free). If you would like assistance from a USPTO Customer Service Representative or access to the automated information system, call 800-786-9199 (IN USA OR CANADA) or 571-272-1000.

Victor X Nguyen Examiner

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Vn 5/30/2006

PRIMARY EXAMINER

May 30, 2006